

Vinoy Thomas

List of Publications by Year in descending order

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153
papers

5,453
citations

136940

32
h-index

88628

70
g-index

156
all docs

156
docs citations

156
times ranked

6824
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitized fluorescence of Ce ³⁺ /Mn ²⁺ system in phosphate glass. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 841-846.	4.0	701
2	Recent advances in the development of GTR/GBR membranes for periodontal regeneration—A materials perspective. <i>Dental Materials</i> , 2012, 28, 703-721.	3.5	555
3	Aligned PLGA/HA nanofibrous nanocomposite scaffolds for bone tissue engineering. <i>Acta Biomaterialia</i> , 2009, 5, 305-315.	8.3	352
4	Nanostructured Biocomposite Scaffolds Based on Collagen Coelectrospun with Nanohydroxyapatite. <i>Biomacromolecules</i> , 2007, 8, 631-637.	5.4	241
5	A novel spatially designed and functionally graded electrospun membrane for periodontal regeneration. <i>Acta Biomaterialia</i> , 2011, 7, 216-224.	8.3	202
6	Mechano-morphological studies of aligned nanofibrous scaffolds of polycaprolactone fabricated by electrospinning. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 969-984.	3.5	169
7	Morphology and mechanical properties of Nylon 6/MWNT nanofibers. <i>Polymer</i> , 2007, 48, 1096-1104.	3.8	165
8	Fabrication and characterization of aligned nanofibrous PLGA/Collagen blends as bone tissue scaffolds. <i>Polymer</i> , 2009, 50, 3778-3785.	3.8	163
9	Nanostructured Biomaterials for Regenerative Medicine. <i>Current Nanoscience</i> , 2006, 2, 155-177.	1.2	132
10	Energy transfer in Sm ³⁺ :Eu ³⁺ system in zinc sodium phosphate glasses. <i>Optical Materials</i> , 2004, 24, 671-677.	3.6	128
11	Electrospun Bioactive Nanocomposite Scaffolds of Polycaprolactone and Nanohydroxyapatite for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 487-493.	0.9	127
12	Functionally graded electrospun scaffolds with tunable mechanical properties for vascular tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2007, 2, 224-232.	3.3	99
13	In vitro studies on the effect of particle size on macrophage responses to nanodiamond wear debris. <i>Acta Biomaterialia</i> , 2012, 8, 1939-1947.	8.3	88
14	Mesenchymal Stem Cell Responses to Bone-Mimetic Electrospun Matrices Composed of Polycaprolactone, Collagen I and Nanoparticulate Hydroxyapatite. <i>PLoS ONE</i> , 2011, 6, e16813.	2.5	86
15	An in vitro regenerated functional human endothelium on a nanofibrous electrospun scaffold. <i>Biomaterials</i> , 2010, 31, 4376-4381.	11.4	85
16	Aligned Bioactive Multi-Component Nanofibrous Nanocomposite Scaffolds for Bone Tissue Engineering. <i>Macromolecular Bioscience</i> , 2010, 10, 433-444.	4.1	79
17	A biomimetic tubular scaffold with spatially designed nanofibers of protein/PDS [®] bio-blends. <i>Biotechnology and Bioengineering</i> , 2009, 104, 1025-1033.	3.3	78
18	Science-Based Strategies of Antiviral Coatings with Viricidal Properties for the COVID-19 Like Pandemics. <i>Materials</i> , 2020, 13, 4041.	2.9	71

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19	Vimentin intermediate filament assembly regulates fibroblast invasion in fibrogenic lung injury. JCI Insight, 2019, 4, .	5.0	69
20	Membranes for Periodontal Regeneration - A Materials Perspective. Frontiers of Oral Biology, 2015, 17, 90-100.	1.5	64
21	Nanofiber scaffold gradients for interfacial tissue engineering. Journal of Biomaterials Applications, 2013, 27, 695-705.	2.4	58
22	Insight into Oral Biofilm: Primary, Secondary and Residual Caries and Phyto-Challenged Solutions. Open Dentistry Journal, 2017, 11, 312-333.	0.5	58
23	Freeze-dried acellular dermal matrix graft: Effects of rehydration on physical, chemical, and mechanical properties. Dental Materials, 2009, 25, 1109-1115.	3.5	53
24	In Vitro Studies on the Effect of Physical Cross-Linking on the Biological Performance of Aliphatic Poly(urethane urea) for Blood Contact Applications. Biomacromolecules, 2001, 2, 588-596.	5.4	51
25	Electrospinning of novel biodegradable poly(ester urethane)s and poly(ester urethane urea)s for soft tissue-engineering applications. Journal of Materials Science: Materials in Medicine, 2009, 20, 2129-2137.	3.6	51
26	Hydroxyapatite nanoparticle loaded collagen fiber composites: Microarchitecture and nanoindentation study. Journal of Biomedical Materials Research - Part A, 2008, 86A, 873-882.	4.0	50
27	Nanocellulose based functional materials for supercapacitor applications. Journal of Science: Advanced Materials and Devices, 2019, 4, 333-340.	3.1	47
28	<i>In vitro</i> biodegradation of designed tubular scaffolds of electrospun protein/polyglyconate blend fibers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 135-147.	3.4	44
29	Optical analysis of samarium doped sodium bismuth silicate glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 144-148.	3.9	38
30	Synthesis of hydrolytically stable low elastic modulus polyurethane-urea for biomedical applications. Polymer International, 2000, 49, 88-92.	3.1	37
31	Two ply tubular scaffolds comprised of proteins/poliglecaprone/polycaprolactone fibers. Journal of Materials Science: Materials in Medicine, 2010, 21, 541-549.	3.6	37
32	NIR to UV absorption spectra and the optical constants of phthalocyanines in glassy medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 1-11.	3.9	36
33	Fibro-porous PLLA/gelatin composite membrane doped with cerium oxide nanoparticles as bioactive scaffolds for future angiogenesis. Journal of Materials Chemistry B, 2020, 8, 9110-9120.	5.8	33
34	Spectroscopic studies of Cu ²⁺ ions in sol-gel derived silica matrix. Bulletin of Materials Science, 2002, 25, 69-74.	1.7	32
35	Dimensionally stable and bioactive membrane for guided bone regeneration: An <i>in vitro</i> study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 594-605.	3.4	30
36	Structural and optical characterization of Eu ³⁺ /CdSe nanocrystal containing silica glass. Materials Chemistry and Physics, 2006, 96, 381-387.	4.0	28

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37	Acellular dermal matrix graft: Synergistic effect of rehydration and natural crosslinking on mechanical properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 276-282.	3.4	28
38	Electrospinning of Biosyn [®] -based tubular conduits: Structural, morphological, and mechanical characterizations. <i>Acta Biomaterialia</i> , 2011, 7, 2070-2079.	8.3	28
39	Electrospun polycaprolactone/polyglyconate blends: Miscibility, mechanical behavior, and degradation. <i>Polymer</i> , 2013, 54, 6824-6833.	3.8	28
40	Energy transfer in Rh 6G:Rh B system in PMMA matrix under cw laser excitation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 153, 145-151.	3.9	27
41	New Magneto-Fluorescent Hybrid Polymer Nanogel for Theranostic Applications. <i>ACS Applied Bio Materials</i> , 2019, 2, 757-768.	4.6	27
42	Optical Characterization of Eu ³⁺ ions in CdSe Nanocrystal Containing Silica Glass. <i>Journal of Fluorescence</i> , 2004, 14, 733-738.	2.5	26
43	Engineering an antiplatelet adhesion layer on an electrospun scaffold using porcine endothelial progenitor cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 145-151.	4.0	26
44	Spatially controlled fabrication of a bright fluorescent nanodiamond-array with enhanced far-red Si-V luminescence. <i>Nanotechnology</i> , 2014, 25, 045302.	2.6	26
45	Application of a modified Judd [∞] Ofelt theory to Pr ³⁺ doped phosphate glasses and the evaluation of radiative properties. <i>Journal of Non-Crystalline Solids</i> , 2003, 319, 89-94.	3.1	25
46	Polypropylene fumarate/phloroglucinol triglycidyl methacrylate blend for use as partially biodegradable orthopaedic cement. <i>Biomaterials</i> , 2001, 22, 2749-2757.	11.4	24
47	Cell Interactions with Biomaterials Gradients and Arrays. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 544-553.	1.1	24
48	Wet-laid soy fiber reinforced hydrogel scaffold: Fabrication, mechano-morphological and cell studies. <i>Materials Science and Engineering C</i> , 2016, 63, 308-316.	7.3	24
49	Nanomechanical Properties of Electrospun Composite Scaffolds Based on Polycaprolactone and Hydroxyapatite. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4839-4845.	0.9	23
50	A new generation of high flex life polyurethane urea for polymer heart valve [∞] Studies on <i>in vivo</i> biocompatibility and biodurability. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 192-205.	4.0	22
51	Fluorescence enhancement from Eu ³⁺ ions in CdSe nanocrystal containing silica matrix hosts. <i>Materials Letters</i> , 2003, 57, 1051-1055.	2.6	21
52	2D materials as a diagnostic platform for the detection and sensing of the SARS-CoV-2 virus: a bird's-eye view. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4608-4619.	5.8	21
53	Optical properties of porphyrins in borate glassy matrix. <i>Materials Chemistry and Physics</i> , 2002, 73, 206-211.	4.0	20
54	Studies on the growth and optical characterization of dysprosium gadolinium oxalate single crystals. <i>Crystal Research and Technology</i> , 2004, 39, 105-110.	1.3	20

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55	Portable perfusion phantom for quantitative DCE-MRI of the abdomen. <i>Medical Physics</i> , 2017, 44, 5198-5209.	3.0	20
56	Nonlinear optical limiting and dual beam mode matched thermal lensing of nano fluids containing green synthesized copper nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 279, 63-66.	4.9	20
57	Finite Element Modeling of the Fiber-Matrix Interface in Polymer Composites. <i>Journal of Composites Science</i> , 2020, 4, 58.	3.0	19
58	Studies on the effect of virtual crosslinking on the hydrolytic stability of novel aliphatic polyurethane ureas for blood contact applications. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 144-157.	3.1	18
59	Nanoindentation on Porous Bioceramic Scaffolds for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1816-1820.	0.9	18
60	Nanostructured diamond coatings for orthopaedic applications. , 2013, 2013, 105-150.		18
61	Fibro-porous poliglecaprone/polycaprolactone conduits: synergistic effect of composition and <i>in vitro</i> degradation on mechanical properties. <i>Polymer International</i> , 2015, 64, 547-555.	3.1	18
62	Prehospital Electrocardiogram and Early Helicopter Dispatch to Expedite Interfacility Transfer for Percutaneous Coronary Intervention. <i>Critical Pathways in Cardiology</i> , 2006, 5, 155-159.	0.5	17
63	Biodegradable polyurethanes: Comparative study of electrospun scaffolds and films. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3292-3299.	2.6	17
64	Tissue Engineering Strategies for Retina Regeneration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2154.	2.5	17
65	The effect of virtual cross linking on the oxidative stability and lipid uptake of aliphatic poly(urethane urea). <i>Biomaterials</i> , 2002, 23, 273-282.	11.4	16
66	Non-equilibrium hybrid organic plasma processing for superhydrophobic PTFE surface towards potential bio-interface applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110463.	5.0	16
67	Non-equilibrium organosilane plasma polymerization for modulating the surface of PTFE towards potential blood contact applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2814-2825.	5.8	16
68	Harnessing additive manufacturing for magnesium-based metallic bioimplants: Recent advances and future perspectives. <i>Current Opinion in Biomedical Engineering</i> , 2021, 17, 100264.	3.4	16
69	Atmospheric pressure plasma jet: A facile method to modify the intimal surface of polymeric tubular conduits. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	15
70	Morphology dependent nonlinear optical and photocatalytic activity of anisotropic plasmonic silver. <i>RSC Advances</i> , 2018, 8, 41288-41298.	3.6	14
71	Eco-friendly thermal insulation material from cellulose nanofibre. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48272.	2.6	14
72	Effect of silver nanoparticles on the dielectric properties of holmium doped silica glass. <i>Physica B: Condensed Matter</i> , 2010, 405, 1513-1517.	2.7	13

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73	Juddâ€™Ofelt analysis of Pr ³⁺ ions in Sr _{1.5} Ca _{0.5} SiO ₄ and Sr _{0.5} Ca _{0.5} TiO ₃ host matrices. <i>Optical Materials</i> , 2016, 51, 62-69.	3.6	13
74	Polymeric Nanogels for Theranostic Applications: A Mini-Review. <i>Current Nanoscience</i> , 2020, 16, 392-398.	1.2	13
75	Radiative parameters of Eu ³⁺ ions in CdSe nanocrystal containing silica matrices. <i>Physica B: Condensed Matter</i> , 2005, 357, 270-276.	2.7	11
76	Biomechanical studies on aliphatic physically crosslinked poly(urethane urea) for blood contact applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2721-2733.	3.6	11
77	In vitro degradation and cell attachment studies of a new electrospun polymeric tubular graft. <i>Progress in Biomaterials</i> , 2015, 4, 67-76.	4.5	11
78	Dusty-Plasma-Assisted Synthesis of Silica Nanoparticles for in Situ Surface Modification of 3D-Printed Polymer Scaffolds. <i>ACS Applied Nano Materials</i> , 2020, 3, 7392-7396.	5.0	11
79	A rheometer to measure the viscoelastic properties of polymer melts at ultrasonic frequencies. <i>Review of Scientific Instruments</i> , 1994, 65, 2395-2401.	1.3	10
80	Lab-on-a-brane: nanofibrous polymer membranes to recreate organâ€™capillary interfaces. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 035013.	2.6	10
81	Evidence for enhanced optical properties through plasmon resonance energy transfer in silver silica nanocomposites. <i>Nanotechnology</i> , 2016, 27, 085701.	2.6	10
82	Hemopressin-Based pH-Sensitive Hydrogel: A Potential Bioactive Platform for Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2435-2442.	5.2	10
83	Metal free, phosphorus doped carbon nanodot mediated photocatalytic reduction of methylene blue. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 1131-1143.	1.7	10
84	Nonthermal plasma processing for nanostructured biomaterials and tissue engineering scaffolds: A mini review. <i>Current Opinion in Biomedical Engineering</i> , 2021, 17, 100259.	3.4	10
85	A single quartz crystal to measure dynamic elastic moduli at several ultrasonic frequencies. <i>Review of Scientific Instruments</i> , 1993, 64, 492-494.	1.3	9
86	The relation of dynamic elastic moduli, mechanical damping and mass density to the microstructure of some glass-matrix composites. <i>Journal of Materials Science</i> , 1994, 29, 1670-1675.	3.7	9
87	Plasmonic and Energy Studies of Ag Nanoparticles in Silica-Titania Hosts. <i>Plasmonics</i> , 2014, 9, 631-636.	3.4	9
88	Fiber length and concentration: Synergistic effect on mechanical and cellular response in wet-laid poly(lactic acid) fibrous scaffolds. , 2019, 107, 332-341.		9
89	HuBiogel incorporated fibro-porous hybrid nanomatrix graft for vascular tissue interfaces. <i>Materials Today Chemistry</i> , 2020, 17, 100323.	3.5	9
90	Dietary Oxalate Induces Urinary Nanocrystals in Humans. <i>Kidney International Reports</i> , 2020, 5, 1040-1051.	0.8	9

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91	A combined compression molding, heating, and leaching process for fabrication of micro-porous poly(μ -caprolactone) scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 1978-1993.	3.5	8
92	Nanoscience and quantum science-led biocidal and antiviral strategies. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7328-7346.	5.8	8
93	Studies on Polyurethane Potting Compound Based on Isocyanurate of Aliphatic Diisocyanate for Fabrication of a Haemodialyser. <i>Journal of Biomaterials Applications</i> , 2000, 15, 86-105.	2.4	7
94	Direct Sol-Gel Electrospinning of Fibrous Bioglass Scaffolds for Bone Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2013, 3, 440-447.	0.1	7
95	Plasma Electroless Reduction: A Green Process for Designing Metallic Nanostructure Interfaces onto Polymeric Surfaces and 3D Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25065-25079.	8.0	7
96	Spectroscopic characterization of chromium in sol-gel derived silica. <i>Materials Chemistry and Physics</i> , 2003, 77, 826-830.	4.0	6
97	Carbon Nanofiber Reinforced Polycaprolactone Fibrous Meshes by Electrostatic Co-spinning. <i>Current Nanoscience</i> , 2012, 8, 753-761.	1.2	6
98	Nanofiber and Stem Cell Enabled Biomimetic Systems and Regenerative Medicine. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8923-8934.	0.9	6
99	Spectral and Non Radiative Decay Studies of Lead Di Bromide Single Crystals by Mode Matched Thermal Lens Technique. <i>Journal of Fluorescence</i> , 2016, 26, 1161-1165.	2.5	6
100	Uni-Directionally Oriented Fibro-Porous PLLA/Fibrin Bio-Hybrid Scaffold: Mechano-Morphological and Cell Studies. <i>Pharmaceutics</i> , 2022, 14, 277.	4.5	6
101	Mechanical Behavior of Polyester Nonwoven Composite Films. <i>Journal of Plastic Film and Sheeting</i> , 1997, 13, 212-220.	2.2	5
102	Structural Evolution and Fluorescence Properties of Dy3+: Silica Matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 33, 269-274.	2.4	5
103	Effect of Surface Oxides and Intermetallics on Nanostructured Diamond Coating of Nitinol. <i>Current Nanoscience</i> , 2006, 2, 9-12.	1.2	5
104	Biohybrid Fibro-Porous Vascular Scaffolds: Effect of Crosslinking on Properties. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1718, 79-84.	0.1	5
105	Tunable light emission using crystalline carbon dots. <i>Journal of Optics (India)</i> , 2019, 48, 288-293.	1.7	5
106	Novel magneto-plasma processing for enhanced modification of electrospun biomaterials. <i>Materials Letters</i> , 2019, 250, 96-98.	2.6	5
107	Plasmon Based Cellulose Nano Fibril-PVA Film for Effective Ultra Violet Radiation Blocking. <i>Journal of Cluster Science</i> , 2020, 31, 1147-1154.	3.3	5
108	Tissue engineering of small-diameter vascular grafts. , 2020, , 79-100.		5

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109	Synthesis, characterization and evaluation of tunable thermal diffusivity of phosphorus-doped carbon nanodot. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	5
110	Novel Poly(ester urethane urea)/Polydioxanone Blends: Electrospun Fibrous Meshes and Films. <i>Molecules</i> , 2021, 26, 3847.	3.8	5
111	Effect of temperature and frequency on the dielectric properties of cellulose nanofibers from cotton. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21213-21224.	2.2	5
112	Kink-free electrospun PET/PU-based vascular grafts with 3D-printed additive manufacturing reinforcement. <i>Journal of Materials Research</i> , 2021, 36, 4013-4023.	2.6	5
113	Biphasic organo-bioceramic fibrous composite as a biomimetic extracellular matrix for bone tissue regeneration. <i>Frontiers in Bioscience - Elite</i> , 2017, 9, 192-203.	1.8	4
114	Nanodiamonds as "magic bullets" for prostate cancer theranostics. , 2018, , 333-356.		4
115	Characterization of discontinuous carbon fiber liquid molded PA-6 composites via strategic placement of additional reinforcements. <i>Journal of Reinforced Plastics and Composites</i> , 2018, 37, 1335-1345.	3.1	4
116	Evaluation of Viscoelastic Properties, Blood Coagulation, and Cellular Responses of a Temperature-Sensitive Gel for Hemostatic Application. <i>ACS Applied Bio Materials</i> , 2020, 3, 3137-3144.	4.6	4
117	Nanocomposite Scaffolds Based on Electrospun Polycaprolactone/Modified CNF/Nanohydroxyapatite by Electrophoretic Deposition. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011, 1, 177-184.	0.1	4
118	Nano and Microbubble Systems for On-Demand Cancer Drug Delivery. <i>Current Nanoscience</i> , 2017, 14, 33-41.	1.2	4
119	Upconversion fluorescence in Sm ³⁺ -doped zinc phosphate glassy matrix. <i>Journal of Modern Optics</i> , 2005, 52, 2687-2694.	1.3	3
120	Ceramic Coatings in Load-Bearing Articulating Joint Implants. , 2017, , 315-347.		3
121	Novel Biomimetic Microphysiological Systems for Tissue Regeneration and Disease Modeling. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1077, 87-113.	1.6	3
122	Low-temperature inductively coupled plasma as a method to promote biomineralization on 3D printed poly(lactic acid) scaffolds. <i>Journal of Materials Science</i> , 2021, 56, 14717-14728.	3.7	3
123	Patterning of Nano-Hydroxyapatite onto SiO ₂ and Electro-spun Mat Surfaces Using Dip-Pen Nanolithography. <i>Journal of Molecular Structure</i> , 2021, 1237, 130320.	3.6	3
124	Recent mitigation strategies in engineered healthcare materials towards antimicrobial applications. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100377.	3.4	3
125	Measurement of young's modulus and damping as a function of temperature in a borosilicate glass-matrix composite with continuous ceramic fibres. <i>Journal of Materials Science Letters</i> , 1995, 14, 1555-1557.	0.5	2
126	Spectral and Lensing Characteristics of Gel-Derived Strontium Tartrate Single Crystals Using Dual-Beam Thermal Lens Technique. <i>Journal of Fluorescence</i> , 2016, 26, 1549-1554.	2.5	2

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127	Advanced Manufacturing for Biomaterials and Biological Materials, Part I. Jom, 2020, 72, 1151-1153.	1.9	2
128	PLA/HA Multiscale Nano-/Micro-Hybrid 3D Scaffolds Provide Inductive Cues to Stems Cells to Differentiate into an Osteogenic Lineage. Jom, 2021, 73, 3787.	1.9	2
129	Measuring the viscoelastic properties of an ethylene4-tetrafluoroethylene copolymer at ultrasonic frequencies. Polymer Engineering and Science, 1995, 35, 1053-1060.	3.1	1
130	A tensile stage to study thin polymer films in an environmental scanning electron microscope. Review of Scientific Instruments, 1998, 69, 463-465.	1.3	1
131	<title>Nonlinear optical properties of copolyesters containing azobenzene functionality and chiral groups</title>. , 1998, 3321, 418.		1
132	Studies on polyurethane potting compound based on HDI-TMP adduct for fabrication of haemodialyzer. Journal of Materials Science: Materials in Medicine, 2001, 12, 157-161.	3.6	1
133	Fluorescence Studies of Dy3+ Ions in Silica Sol Gel. Asian Journal of Chemistry, 2015, 27, 1626-1630.	0.3	1
134	Optical characterization and Judd-Ofelt analysis of Pr 3+ ions in sol-gel derived zirconia/polyethylene glycol composite. Optical Materials, 2018, 76, 184-190.	3.6	1
135	Nanomaterial-Based Bio Scaffolds for Enhanced Biomedical Applications. , 2021, , 125-160.		1
136	Synthesis of hydrolytically stable low elastic modulus polyurethane-urea for biomedical applications. Polymer International, 2000, 49, 88-92.	3.1	1
137	Green Synthesized Plasmonic Silver Systems for Potential Non-Linear Optical Applications: Optical Limiting and Dual Beam Mode Matched Thermal Lensing. Australian Journal of Chemistry, 2019, 72, 460.	0.9	1
138	Dimensionally Stable Fiber-Reinforced Hydrogels for Tissue Engineering Scaffolds. Current Tissue Engineering, 2016, 05, 1-1.	0.2	1
139	Low-Temperature Air Plasma Modification of Electrospun Soft Materials and Bio-interfaces. Minerals, Metals and Materials Series, 2019, , 819-826.	0.4	1
140	Magnetic and Fluorescent Nanogels for Nanomedicine. Gels Horizons: From Science To Smart Materials, 2021, , 73-105.	0.3	1
141	Future of nanotechnology in tissue engineering. , 2022, , 193-236.		1
142	The fracture toughness of a fiber reinforced polymeric film. , 1996, , .		0
143	Structural evolution and fluorescence properties of Dy3+: silica matrix. , 2002, 4905, 560.		0
144	Compositionally Modified Hydroxyapatite Nanocrystals for Polymer/Ceramic Scaffold Applications. Materials Research Society Symposia Proceedings, 2005, 897, 1.	0.1	0

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145	Synthesis and Evaluation of Carboxy-Terminated Poly(trimethylene propane) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (br Technology, 2013, 32, .	1.7	0
146	Structural and plasmonic studies of Ag nanoparticles in silica glass hosts. IOP Conference Series: Materials Science and Engineering, 2013, 43, 012005.	0.6	0
147	Sol-Gel Synthesis and Spectroscopic Analysis of Chromium in Sol Gel Silica. Asian Journal of Chemistry, 2013, 25, 6767-6770.	0.3	0
148	Nonlinear optical studies of calcium tartrate crystals. Journal of Taibah University for Science, 2019, 13, 611-615.	2.5	0
149	Advanced Manufacturing for Biomaterials and Biological Materials, Part II. Jom, 2020, 72, 1432-1434.	1.9	0
150	Muscle tissue engineering – A materials perspective. , 2021, , 249-274.		0
151	Spatially Designed Nanofibrous Membranes for Periodontal Tissue Regeneration. , 2012, , 141-168.		0
152	The Effect of Fiber Coating on the Temperature Dependence of the Elastic and Anelastic Properties of a Fiber-Reinforced Borosilicate Glass Matrix Composite. Journal of Testing and Evaluation, 1996, 24, 237-240.	0.7	0
153	Adhesion of Human Umbilical Vein Endothelial Cells (HUVEC) on PTFE Material Following Surface Modification by Low Temperature Plasma Treatment. FASEB Journal, 2019, 33, 603.3.	0.5	0